

Note: Course Dates indicate Beginning and Ending Dates

M=Monday, T=Tuesday, W=Wednesday, R=Thursday, F=Friday, S=

CRN	Instructor	Days	Time	Room	D	CRN	Instructor	Days	Time	Room	D
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## Automotive Tech-Auto, Lt Truck

### AUTO 101 Fundamentals of Automotive Service, Diagnosis and Repair **5 Units**

Strongly recommended: READ 099 if required by reading placement exam or if required by reading level.

Intended for automotive majors, this class serves as the pre-requisite for all automotive certificate and/or degree-applicable courses. Automobiles and light trucks will be explored from the point of view of the service technician. Scientific principles and operation of essential automotive technologies are central to the course goal of preparing students for entry into the automotive core curriculum.

Appropriate lab activities in automobile inspection, service and repair are included. 72 lecture hours, 54 lab hours. CSU

22084 Bender, T. MW 06:00 PM-09:45 PM TE 103 08/29-12/19  
**Auto 101 students recommended to concurrently enroll in Auto 156**

22085 Vinci, D. TR 06:00 PM-09:45 PM TE 103 08/29-12/19  
**Auto 101 students recommended to concurrently enroll in Auto 156**

22082 Clark, J. MTWR 08:00 AM-12:00 PM TE 103 08/29-10/24  
**First Eight Weeks**

**Auto 101 students recommended to concurrently enroll in Auto 156**  
 22083 Staff MTWR 01:00 PM-05:00 PM TE 103 10/26-12/19  
**Second Eight Weeks**

**Auto 101 students recommended to concurrently enroll in Auto 156**

### AUTO 142 Drivetrain Systems **5 Units**

Prerequisite: AUTO 101.

Strongly Recommended: READ 099 is required by reading placement exam or if required by reading level.

Intended for those students majoring in automotive technology or those currently employed with an automotive service/repair establishment seeking to improve their skills. The course covers essential drivetrain theory, inspection, diagnosis, service and repair of manual and automatic transmissions and transaxles, including four-wheel/all-wheel drive systems. The course prepares students for the ASE Automatic Transmission and Transaxle (A2) and Manual Drivetrain and Axles (A3) certification exams. 72 lecture hours, 54 lab hours.

22087 Gonzalez, J. MW 06:25 PM-10:00 PM TE 104 08/29-12/19

### AUTO 151 Engine Service, Diagnosis and Repair **5 Units**

Prerequisite: AUTO 101.

Strongly recommended: READ 099 if required by reading placement exam or if required by reading level. Also, MATH 129 or higher and ENGL 100 or higher.

Intended for those seeking a career in the automotive service and repair industry. This National Automotive Technicians' Education Foundation certified course is one component of the Toyota Technical Education Network and Technicians' Education Cooperative programs. The course covers essential engine theory, inspection, diagnosis, service and repair. Engine disassembly, inspection, measurements and assembly are covered, with emphasis on in-vehicle repairs. The course prepares students for ASE Engine Repair (A1) certification exam. 54 lecture hours, 135 lab hours.

22167 Korn, D. MTWR 08:00 AM-01:55 PM TE 105 08/29-10/24  
**First Eight Weeks**

### AUTO 154 Chassis Service, Diagnosis, and Repair **8 Units**

Prerequisite: AUTO 101.

Strongly recommended: READ 099 if required by reading placement exam or if required by reading level. Also, MATH 129 or higher and ENGL 100 or higher.

Intended for those seeking a career in the automotive service and repair industry. This National Automotive Technicians' Education Foundation certified course is one component of the Toyota Technical Education Network and Technicians' Education Cooperative programs. The course covers essential chassis system theory, along with inspection, diagnosis, service and repair of the following undercar systems: brake, steering, suspension, alignment, wheel/tire, ride control and ABS. Course prepares students for ASE Suspension and Steering (A4) and ASE Brakes (A5) certification. 108 lecture hours, 135 lab hours.

22168 Staff MTWR 08:00 AM-03:45 PM TE 104 08/29-10/24  
**First Eight Weeks**

### AUTO 156 Automotive Electrical & Electronic Systems I **4 Units**

Prerequisite: AUTO 101 or concurrently enrolled in AUTO 101.

Strongly recommended: READ 099 if required by reading placement exam or if required by reading level. Also, MATH 129 or higher and ENGL 100 or higher.

Intended for those seeking a career in the automotive service and repair industry, this National Automotive Technicians' Education Foundation certified course is one component of the Toyota Technical Education Network and Technicians' Education Cooperative programs. This class covers essential electrical and electronic systems theory, along with inspection, diagnosis, service & repair of specific electrical systems including the battery, starting systems, charging systems, lighting systems, gauges, and instrument-panel warning lights. Prepares students for ASE Electrical & Electronic Systems (A6) certification. 54 lecture hours, 36 lab hours. CSU

22252 Brown, D. TWR 01:00 PM-04:30 PM TE 103 08/29-10/24

**First Eight Weeks**

22251 Korn, D. TWR 08:00 AM-11:50 AM TE 103 10/26-12/19

**Second Eight Weeks**

### AUTO 162 Drivetrain Service, Diagnosis and Repair **8 Units**

Prerequisite: AUTO 101.

Strongly recommended: READ 099 if required by reading placement exam or if required by reading level. Also, AUTO 154, MATH 129 or higher and ENGL 100 or higher.

Intended for those seeking a career in the automotive service and repair industry. This National Automotive Technicians' Education Foundation certified course is one component of the Toyota Technical Education Network and Technicians' Education Cooperative programs. This course focuses on the service, diagnosis and repair of the manual and automatic automotive drivetrain systems. Appropriate lab activities in automobile drivetrain inspection, service and repair are included. The course prepares students for the ASE Automatic Transmission and Transaxle (A2) and Manual Drivetrain and Axles (A3) certification exams. 108 lecture hours, 135 lab hours.

22182 Clark, J. MTWR 08:00 AM-03:45 PM TE 104 10/26-12/19

**Second Eight Weeks**

### AUTO 168 Engine Control Systems Service, Diagnosis and Repair **8 Units**

Prerequisite: AUTO 101.

Strongly recommended: READ 099 if required by reading placement exam or if required by reading level. Also, AUTO 151 and MATH 129 or higher and ENGL 100 or higher.

Intended for those seeking a career in the automotive service and repair industry. This National Automotive Technicians' Education Foundation certified course is one component of the Toyota Technical Education Network and Technicians' Education Cooperative programs. The course covers essential engine management systems theory, along with inspection, diagnosis, service and repair of the following systems: ignition, air and fuel delivery, electronic engine controls, and auxiliary emission controls. This course prepares students for ASE Engine Performance (A8) certification. 108 lecture hours, 135 lab hours.

22186 Brown, D. MTWR 08:00 AM-03:45 PM TE 105 10/26-12/19

**Second Eight Weeks**

### AUTO 230A Automotive Service and Repair Work Experience A **1 Units**

Recommended Skills: AUTO 101, 151, 154, 156, 162, 166, 167 and 168 SLOs.

Strongly recommended: Completion of 16 units in automotive technology coursework.

Limitation on Enrollment: Department consent required prior to enrollment.

Automotive technology work experience is designed to extend occupational learning through employment and coordinate the on-the-job training with program instruction. Individual student goals and learning objectives will be designed by the student cooperatively with the employer and faculty advisor.

Lab hours are arranged and completed at the place of employment. This AUTO 230 course may be taken four times for a maximum of four units. Pass/No Pass grading only. 9 lecture hours, 160 lab hours.

22280 Clark, J. HRS-ARRG HH 758 08/29-12/19

**Mandatory Wednesday class meetings:**

**Sept 9, Sept 30, Oct 21, Nov 18, Dec 9**

**6:30pm - 8:15pm HH758**

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**AUTO 230B Automotive Service and Repair Work 2 Units**

**Experience B**

Recommended Skills: AUTO 101, 151, 154, 156, 162, 166, 167 and 168 SLOs.

Strongly recommended: Completion of 16 units in automotive technology coursework.

Limitation on Enrollment: Department consent required prior to enrollment.

Automotive technology work experience is designed to extend occupational learning through employment and coordinate the on-the-job training with program instruction. Individual student goals and learning objectives will be designed by the student cooperatively with the employer and faculty advisor.

Lab hours are arranged and completed at the place of employment. This AUTO 230 course may be taken four times for a maximum of four units. Pass/No Pass grading only. 9 lecture hours, 320 lab hours.

22281 Clark, J. HRS-ARRG 08/31-12/19

**Mandatory Wednesday class meetings:**

**Sept 9, Sept 30, Oct 21, Nov 18, Dec 9**

**6:30pm - 8:15pm HH758**

**AUTO 230C Automotive Service and Repair Work 3 Units**

**Experience C**

Recommended Skills: AUTO 101, 151, 154, 156, 162, 166, 167 and 168 SLOs.

Strongly recommended: Completion of 16 units in automotive technology coursework.

Limitation on Enrollment: Department consent required prior to enrollment.

Automotive technology work experience is designed to extend occupational learning through employment and coordinate the on-the-job training with program instruction. Individual student goals and learning objectives will be designed by the student cooperatively with the employer and faculty advisor.

Lab hours are arranged and completed at the place of employment. This AUTO 230 course may be taken four times for a maximum of four units. Pass/No Pass grading only. 9 lecture hours, 480 lab hours.

22282 Clark, J. HRS-ARRG 08/31-12/19

**Mandatory Wednesday class meetings:**

**Sept 9, Sept 30, Oct 21, Nov 18, Dec 9**

**6:30pm - 8:15pm HH758**

**AUTO 230D Automotive Service and Repair Work 4 Units**

**Experience D**

Recommended Skills: AUTO 101, 151, 154, 156, 162, 166, 167 and 168 SLOs.

Strongly recommended: Completion of 16 units in automotive technology coursework.

Limitation on Enrollment: Department consent required prior to enrollment.

Automotive technology work experience is designed to extend occupational learning through employment and coordinate the on-the-job training with program instruction. Individual student goals and learning objectives will be designed by the student cooperatively with the employer and faculty advisor.

Lab hours are arranged and completed at the place of employment. This AUTO 230 course may be taken four times for a maximum of four units. Pass/No Pass grading only. 9 lecture hours, 640 lab hours.

22283 Clark, J. HRS-ARRG 08/31-12/19

**Mandatory Wednesday class meetings:**

**Sept 9, Sept 30, Oct 21, Nov 18, Dec 9**

**6:30pm - 8:15pm HH758**

**AUTO 296 Cylinder Head Development 4 Units**

Prerequisite: AUTO 295.

Strongly recommended: READ 099 if required by reading placement exam or if required by reading level.

A course designed to teach the skills necessary to develop a cylinder head for total performance. Emphasis will be placed on cylinder head development and reconditioning, head CCing, and basic flowbench operation. 54 lecture hours, 54 lab hours.

22246 Korn, D. MW 06:15 PM-09:25 PM TE 105 08/29-12/19